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LIQUID NITROGEN FILLING TANK SERIES



PRODUCT OVERVIEW

Liquid nitrogen filling tank series is mainly used for liquid nitrogen storage. It uses small amount of liquid nitrogen vaporizing to increase the pressure inside the tank, so that the tank can automatically discharge liquid nitrogen to other containers. The stainless steel structure design is suitable for most environment and reduces the rate of evaporation losses. All the models are equipped with pressure building valve, liquid valve, release valve and pressure gauge. All the models are equipped with 4 rollers at the bottom for easy to move. Mainly applicable to laboratory users and chemical users for liquid nitrogen storage and liquid nitrogen automatic supply.

PRODUCT FEATURES

- ① Unique neck design, low evaporation loss rate;
- ② A protective operating ring;
- ③ Safe structure;
- ④ Stainless steel tank;
- ⑤ With rollers for easy to move;
- ⑥ CE certified;
- ⑦ Five years vacuum warranty;

PRODUCT ADVANTAGES

- ① Level display is optional;
- ② Digital signal remote transmission;
- ③ Regulator is optional for stable pressure;
- ④ Solenoid valve is optional;
- ⑤ Automatic filling system is optional.



SPECIFICATIONS

MODEL	YDZ-5	YDZ-15	YDZ-30	YDZ-50
Performance				
LN2 Capacity (L)	5	15	30	50
Neck Opening (mm)	40	40	40	40
Daily Evaporation Rate of Static Liquid Nitrogen (%) ★	3	2.5	2.5	2
Transfusion Volume(L/min)	—	—	—	—
Maximum Storage Capacity				
Overall Height (mm)	510	750	879	991
Outer Diameter (mm)	329	404	454	506
Weight Empty (kg)	15	23	32	54
Standard Working Pressure (mPa)	0.05			
Maximum Working Pressure (mPa)	0.09			
Setting Pressure of The First Safety Valve (mPa)	0.099			
Setting Pressure of The Second Safety Valve(mPa)	0.15			
Pressure Gauge Indication Range (mPa)	0 ~ 0.25			

MODEL	YDZ-100	YDZ-150	YDZ-200	YDZ-240	YDZ-300	YDZ-500
Performance						
LN2 Capacity (L)	100	150	200	240	300	500
Neck Opening (mm)	40	40	40	40	40	40
Daily Evaporation Rate of Static Liquid Nitrogen (%) ★	1.3	1.3	1.2	1.2	1.1	1.1
Transfusion Volume(L/min)	—	—	—	—	—	—
Maximum Storage Capacity						
Overall Height (mm)	1185	1188	1265	1350	1459	1576
Outer Diameter (mm)	606	706	758	758	857	1008
Weight Empty (kg)	75	102	130	148	202	255
Standard Working Pressure (mPa)	0.05					
Maximum Working Pressure (mPa)	0.09					
Setting Pressure of The First Safety Valve (mPa)	0.099					
Setting Pressure of The Second Safety Valve(mPa)	0.15					
Pressure Gauge Indication Range (mPa)	0 ~ 0.25					

★ Static evaporation rate and static holding time is the theoretical value. Actual evaporation rate and holding time will be affected by container usage, atmospheric conditions and manufacturing tolerances.

SERIES CONFIGURATION GUIDELINES

Conventional Series	E Series	K Series
Standard: Single-layer Infusion hose (ZG-DN10/1.5) Optional: Float level gauge	Standard: Single-layer Infusion hoseex (ZG-DN10/1.5) Digital display level meter(DLZ-100) No data remote transmission function	Standard: Single-layer infusion hoseex (ZG-DN10/1.5) Digital display level meter (DLZ-300) and Voltage stabilizing device; With liquid level data remote transmission function; Suitable for automatic replenishment system

★ From 100 to 500 liters, E and K series can be selected, of which YDZ-240 has no conventional series.